Alamaal English High School , Sharjah

Calss: 9 worksheet Subject:Mathematics

Name:_____

Choose the best answer.

Q#1 what will be added to complete the square of

$$9a^2 - 12ab?$$

i) $-16b^2$

ii) $16b^2$

iii) $4b^2$

iv) $-4b^2$

Q#2 Factors of $(x^2 + 5x + 4)(x^2 + 5x + 6)$-3 are

i) $(x^2 - 5x + 7)(x^2 + 5x + 3)$

ii) $(x^2 + 3x + 7)(x^2 + 3x + 5)$

iii) $(x^2 + 5x + 7)(x^2 + 5x + 3)$

iv) $(x^2 - 5x + 7)(x^2 - 5x + 3)$

LIVEWORKSHEETS

Q#3 L.C.M of $39x^7y^3z$ and $91x^5y^6z^7$ is

i) $273x^7y^6z^7$

ii) $91x^7y^6z^7$

iii) $273x^6y^7z^7$

iv) $39x^7y^6z^6$

Q#4 H.C.F of $a^3 + b^3$ and $a^2 - ab + b^2$ is

i) $a + b$

ii) $a^2 - ab + b^2$

iii) $(a - b)^2$

iv) $a^2 + b^2$

LIVEWORKSHEETS

Q#5 A plane is at a height of 300 m and is 500 m away from the airport as shown in the figure. How much distance will it travel to land at the airport?

i) $\sqrt{34}$m

ii) $100\sqrt{34}$m

iii) 100m

iv) $100\sqrt{17}$

LIVEWORKSHEETS